

Appl. No. 09/913,869
Atty. Docket No. 7442
Amdt. dated December 23, 2003
Reply to Office Action of October 2, 2003
Customer No. 27752

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A detergent composition comprising:

- a) a capped nonionic surfactant with an X/Y number greater than 1.00;
- b) an optional conventional detergent additive;
- c) an optional co-surfactant;
- d) an optional aqueous liquid carrier; and
- e) adjunct ingredients;

wherein said capped nonionic surfactant is selected from the group of compounds, ~~including mixtures of compounds, described by C_xEO_yBO_z, wherein x is 8 to 16, y is 4 to 14, z is less than or equal to 2, having the formula:~~

R₁(EO)_a(PO)_b(BO)_c
wherein R₁ is a linear or branched C₆ to C₂₀ alkyl; a is an integer from 2 to 30; b is an integer from 0 to 30; c is an integer from 1 to 10.

Claims 2-9 (canceled)

10. (previously presented) A detergent composition according to Claim 1, wherein said composition is a granular laundry composition comprising:

- a) said capped nonionic surfactant with an X/Y number greater than 1.00;
- b) said conventional detergent additive; and
- c) said co-surfactant;

wherein the granular laundry composition is in the form of a granule with a bulk density of from about 100 g/l to about 1400 g/l.

11. (currently amended) A detergent composition according to Claim 1, wherein said composition is

a

Appl. No. 09/913,869
Atty. Docket No. 7442
Amdt. dated December 23, 2003
Reply to Office Action of October 2, 2003
Customer No. 27752

nonaqueous heavy duty liquid laundry detergent composition in the form of a stable suspension of solid, substantially insoluble particulate material dispersed throughout a structured, surfactant-containing liquid phase, wherein said composition comprises:

- a) from about 55% to 98.9% by weight of said composition of a structured, surfactant-containing liquid phase formed by combining:
 - i) from about 1% to 80% by weight of said liquid phase of one or more nonaqueous organic diluents; and
 - ii) from about 20% to 99% by weight of said liquid phase of a surfactant system comprising surfactants selected from the group consisting of anionic, nonionic, cationic surfactants and combinations thereof;

wherein said surfactant system comprises at least about 10%, by weight of [a] said capped nonionic surfactant with an X/Y number greater than 1.00.

12. (previously presented) A detergent composition according to Claim 1, wherein said composition is an aqueous heavy duty liquid laundry detergent composition comprising:

- a) said capped nonionic surfactant with an X/Y number greater than 1.00;
- b) said conventional detergent additive; and
- c) said aqueous liquid carrier.

Claims 13-14. (canceled)

15. (previously presented) A detergent composition according to Claim 1, wherein said composition is a hard surface cleansing composition comprising:

- a) said capped nonionic surfactant with an X/Y number greater than 1.00;
- b) said co-surfactant;
- c) said adjunct ingredient is a surface cleanser adjunct ingredient;

wherein said composition is in the form of a liquid, gel or liqui-gel.

16. (currently amended) The composition according to Claim 1 wherein said capped nonionic surfactant is selected from the group consisting of C9,11PO3EO13PO15; C9,11PO3EO13BO6; C9,11PO3EO13BO3; C9,11EO13BO6; C9,11EO13BO3; C9,11BO1EO13BO3; C9,11EO8BO3; C12,15EO7BO2; C9,11EO8BO2; C9,11EO8BO1; C12,13EO6.5TBO1;

Appl. No. 09/913,869
Atty. Docket No. 7442
Amdt. dated December 23, 2003
Reply to Office Action of October 2, 2003
Customer No. 27752

~~C9,11EO8C(CH3)2CH2CH3, C11/15EO15PO6C12/14, C9,11EO8(CH2)4CH3~~; and mixtures thereof.

17 (canceled)

18. (currently amended) The composition according to Claim 10 wherein the composition has a bulk density of at least 600g/litre to about 1400 g/l.

19. (previously presented) The detergent compositions according to Claim 10 wherein said co-surfactant comprises linear or branched-chain anionic surfactants selected from the group consisting of alkyl alkoxylated sulfates, alkyl sulfates, alkyl benzenesulfonates, and mixtures thereof.

20. (currently amended) The ~~granular~~ detergent composition according to Claim 10 wherein said conventional detergent additive comprises:

- (a) from about 0.1% to about 30% by weight of a bleach; and
- (b) from about 0.1% to about 60% by weight of a bleach activator.

21. (previously presented) The detergent composition according to Claim 20, wherein said bleach activator is selected from the group consisting of (6-octanamido-caproyl) oxybenzenesulfonate, (6-nonanamidocaproyl) oxybenzenesulfonate, (6-decanamido-caproyl) oxybenzenesulfonate, and mixtures thereof.

22. (previously presented) The detergent composition according to Claim 11, wherein said particulate material comprises from about 0.01% to about 50% by weight of the composition, said particulate material ranging in size from about 0.1 to about 1500 microns, and is selected from the group consisting of peroxygen bleaching agents, bleach activators, colored speckles, organic detergent builders, inorganic alkalinity sources, and mixtures thereof.

23. (previously presented) The detergent composition according to Claim 11, wherein said surfactant system comprises from about 35% to about 70% of the non-aqueous liquid phase.

Appl. No. 09/913,869
Atty. Docket No. 7442
Amdt. dated December 23, 2003
Reply to Office Action of October 2, 2003
Customer No. 27752

24. (previously presented) The detergent composition according to Claim 11, further comprising from about 0.1 to about 8%, by weight of an alkyl dimethyl amine oxide and from about 0.05 to about 2%, by weight of magnesium ions.
25. (previously presented) The detergent composition according to claim 11, further comprising 6-nonylamino-6-oxoperoxyacrylic acid
26. (previously presented) The detergent composition according to Claim 12, wherein said conventional detergent additive is selected from the group consisting of builders, bleaching compounds, polymeric dispersing agents, anti-redeposition agents polymeric soil release agents, enzymes, additional co-surfactants, and mixture thereof.

Claims 27-37 (canceled)

38. (previously presented) The detergent composition according to Claim 1 comprising a detergents enzyme selected from the group consisting of proteases, lipases, cellulases, amylases, and mixtures thereof.

Claims 3940 (canceled)

41. (previously presented) The detergent composition according to Claim 1 further comprising a hydrotrope.
42. (currently amended) The detergent composition according to Claim 1 further comprising a builder.
43. (previously presented) The detergent composition according to Claim 1 further comprising one or more detergents adjuncts selected from the following: soil release polymers, polymeric dispersants, polysaccharides, abrasives, bactericides, tarnish inhibitors, builders, enzymes, dyes, perfumes, thickeners, antioxidants, processing aids, suds boosters, buffers, antifungal or mildew control agents, insect repellants, anti-corrosive aids, chelants, and mixtures thereof.

Appl. No. 09/913,869
Atty. Docket No. 7442
Amdt. dated December 23, 2003
Reply to Office Action of October 2, 2003
Customer No. 27752

44. (currently amended) A method of bleaching fabrics, said method comprises administering an effective amount of the detergent composition according to Claim 10 to fabric in need of bleaching.
45. (currently amended) A method of cleaning fabrics, said method comprises administering an effective amount of the detergent composition to Claim 10 to fabric in need of cleaning.
46. (currently amended) A method of washing tableware said method comprising contacting soiled tableware in need of cleaning with an aqueous solution of the detergent composition according to Claim 13.